Section **B**

FORMAT OF THE AMSDL

PART I
SOURCE DOCUMENTS AND **RELATED DIDs,**
BY DATA FUNCTIONAL AREA ASSIGNMENT

1. This part of the AMSDL list source documents and **DIDs** which have been cleared by **OMB** for contractual application. This listing is preceded by a "quick reference" source document index. The listing of source **documents/DIDs** is presented in the AMSDL data functional areas format. This format is broken out into 38 fictional areas, (e.g., Reliability, Quality Control, Configuration Management) that equates to the **34** standardization areas in the SD-1, Standardization Directory. The AMSDL data functional areas include a more specific refinement of the "Miscellaneous Area" of the SD-1 which has been broken out in the data base to **identify** elements such as Financial, Administration, etc. The four (4) digit **alpha symbols are the same as in the SD-1** wherever appropriate.

2. Each DID and its corresponding source document (as applicable) are assigned to the functional area that most nearly describes the use of the required data.

AMSDL DATA FUNCTIONAL AREA ASSIGNMENTS

ADMN Administrative Data

This area covers non-technical data required by contracting **officers** and other personnel for the Government administration of the overall provisions of the **contract,** excluding management and financial data. As a minimum, the following subjects are covered: (1) security system engineering military history, responsibilities and policies and procedures for safeguarding classified material; (2) audio-visual data such as recorded information on photographic records; motion picture films and microfilm developed in support of a **project;** recorded information on view graphs, video tapes and slides; (3) documents describing meeting agendas and minutes.

ALSS Acquisition **Logistics** Standards **and** Specifications

This area includes standards, specifications, procedures, methods and techniques for analyzing, developing and defining supportability and support requirements for new DOD systems or system modification programs and for acquisition of the support elements required for initial fielding. Included in this area are the policies, procedures and support elements defined in Section 4.3.3 of DOD 5000.2-R and Section 2.7 of the DOD 5000.2R Deskbook.

ATTS Automatic Test Technology Standards

This area establishes standard methods, procedures, techniques, and design criteria for providing automatic test capability in defense systems and equipments.

CDNC Computer-Aided Design/Numerical Control

This area relates to all engineering design that maybe enhanced with the aid of computer techniques, as well as all automated production techniques involving control of machine tools and manufacturing processes, whether directly by a computer or by means of computer-generated outputs and controls.

CMAN Configuration Management

This area relates to: (1) configuration change control procedures for military systems, equipments, and computer software and firmware; (2) identification documentation; (3) physical and fictional configuration audits on systems, equipment and computer programs; (4) technical reviews of the configuration item and its identification; (5) configuration item status accounting; (6) configuration management plans; and (7) procedures by which manufacturers, suppliers, contractors, and other agencies furnish the Federal Government with identification and supply data for items being supplied and for obtaining assignment or confirmation of nomenclature and identification marking for units, groups, sets, systems, assemblies, attachments and accessories designed under contract.

CMPS Composites Technology

This area encompasses standardization documents for materials and processing (M&P) technology that are pertinent to composites manufacturing and applications. This includes the M&P technology of fiber reinforcements and matrices used in composites, and standard test methods for determining the properties of composites and their constituent materials. This area includes the M&P technology of primary classes of composites materials including: polymer matrix composites (PMC), metal matrix composites (MMC), and ceramic matrix composites (CMC).

DCPS Data Communications Protocol Standards

This area establishes DoD protocol standards and reference protocol architectures necessary to support intranetwork and internetwork host-to-host data communications utilizing digital communication techniques. It involves standardization of internetwork, peer, and interlayer management protocols, including those protocols, including those that deal with end-t-end (host-to-host) communications across a network or a concatenated set of networks. The standardization of lower-layer protocols, those that deal with the physical, data-link and network functions, do not fall within the DCPS area. However, the DCPS area actively coordinates with those standardization activities developing and coordinating those lower-layer protocols to ensure that the interfaces allow interoperability.

DRPR Drawing Practices

This area relates to engineering practices for defining, recording, and communicating concepts and design and production requirements in a concise, graphic form with standard symbols, abbreviations, and text on drawings and associated lists.

EDRS DoD Engineering **Data Reproduction Systems**

This area covers reproduction systems required for recording, reproducing, storing, retrieving, and distributing engineering documents and related information by electronic, optical, or microform methods, or by combinations thereof.

EGDS Engineering Data Systems

This area relates to the automated processing of engineering data documentation used in support of research and development design and engineering, procurement and supply, and maintenance of defense materiel.

EMCS Electromagnetic Compatibility

This area covers requirements and procedures for achieving **electromagnetic** compatibility within all **frequency** ranges of platforms, **facilities,** electrical, and electronic **systems/equipment,** circuits, and components. Included are: (1) standards for predicting, measuring, and validating for electromagnetic compatibility; (2) standards for techniques and procedures relating to grounding, bonding, and shielding, (3) standards for preventing and controlling electromagnetic radiation to personnel and equipment (including hazardous materiel and substances); and (4) standards relating to the prevention of deleterious **electro-magnetic effects** resulting from nuclear detonations (e.g., EMI and EMP).

ENVR Environmental Requirements and Related Test Methods

This area *encompasses* environmental definitions, environmental design criteria (both natural and induced) and related test and evaluation methods. It also **covers** documents in support of testing and evaluation of systems, subsystems, and components. Tests include sea tests, flight tests, and operational tests. Evaluation usually concerns the early steps of the conceptual phase. The electromagnetic environment is excluded since it is covered under **EMCS.**

FACR Facility Construction Design Requirements

This area covers standard general facilities engineering and design **criteria, practices,** guidelines, and related requirements. Specifications and standards related to specific building products and materials are not covered by this area but in the appropriate Federal Supply Class/Federal Supply Group.

FNCL Financial Data

This area covers **all** financial or dollar **data,** actual or estimated, for expenditures, forecasts, status accounting, and any other record keeping or data required by contract provisions to **be** expressed in financial or dollar terms. Other items covered include:

(1) Documents generated for contract cost reporting, such as the Contract Funds Status **Report,** Cost Summary **Report,** Cost/Schedule Status **Report,** and **Cost/Schedule** Control Description.

(2) Documentation associated with the breakdown of **contractor** tasks into tracking elements, such as work breakdown elements used for contract schedule and cost reporting.

(3) Documents associated with **Design-to-Cost,** where cost is a key design parameter, and Life Cycle **Cost,** which encompasses the cost of **development, acquisition,** operation, support and where applicable, disposal. Documents include the **Design-to-Cost** Plan, Life Cycle Cost **Report,** and Target Price versus Actual Forecast.

(4) Documents generated as a result of a value engineering program, including documents which set forth a change in contractual documents such as Value Engineering Data **Report,** Value Engineering Plan, and Task Change Proposal.

FORG Forgings

This area relates to metal forging processes, procedures, and technology.

GDRQ General Design Requirements

This area covers parts control items, design requirements, and interface characteristics for a range of equipment types. Other documents covered are those relating to weight and balance, including mass and properties. Types of documents would be the Mass Properties Control and Management Plan, Status Weight and Balance, Mass Properties Data for Missiles and Aircraft, and Weight Estimates and Reports for Surface Ships.

HFAC Human Factors

This area relates to: (1) the human-interface design and test criteria (space, weight, size, shape, color, texture, visibility, surface temperature, energy emission, etc.) used for the design of military equipments, systems, components and facilities; (2) the human factor engineering program requirements and plans; and (3) human comfort factors for operational environments (sound, light, heat-cold, space, radiation density, force, vibration, acceleration, velocity, stability, etc.).

ILSS Integrated Logistics Support Standards

This area encompasses standards, procedures, methods, and techniques for defining requirements and technical data necessary for the acquisition of logistics support throughout the life cycle of weapon systems and equipment. Included in this area are:

(1) Maintenance planning to assure achievement of system readiness and maintenance of the operational capability of systems and equipment.

(2) Manpower and personnel requirements and procedures.

(3) Supply support requirements to ensure that spares and repair parts are provided to meet automated systems requirements.

(4) Training requirements for operation and maintenance of the specific systems and equipment.

(5) Integration of acquisition planning for other logistic elements, as defined in DoD Directive 5000.39 and MI L- STD- 1388- 1A, essential to the support of the weapon system or equipment.

IPSC Information Processing Standards for Computers

This area relates to computers and data processing devices, equipments, and systems including, but not limited to, character recognition types; input/output media, formats, and labels; programming languages; computer documentation; flow-charts and terminology character codes; data communications; and input/output interfaces. Also included are documents concerning digital computer components and systems, computer programs, and software and maintenance/user manuals associated with these systems.

MCCR Mission Critical Computer Resources

This area encompasses standards used in mission critical defense computer systems, related software (development environments, support software, application programs, firmware, and databases), and associated documentation.

MECA Metal Castings

This area covers metal castings produced by a variety of processes and techniques such as: green and dry mold, shell, core, permanent and ceramic mold; expandable pattern; centrifugal, continuous, and iron die casting.

MFFP Metal Finishes and Finishing Processes and Procedures

This area relates to metal finishes and/or processes such as metallic coatings, toxic coatings, and chemical treatments and coatings. It also covers corrosion and corrosion control of metals.

MGMT Management

This area covers data required by the Government to manage, provide visibility, and enforce contractual requirements in the form of record keeping or deliverable products concerning project management milestones, technique, status (excluding financial and technical), milestones, problems, plans, and other data not technically or financially oriented. Documents related to management policies and concepts for particular programs or projects include Master Plan, Procedures for Determining Responsibility of Prospective Contractors, and various progress Status Repros, planning documents, and Program Management Plan. This area also includes documents related to the establishment and maintenance of Government property, i.e., status of condition, deficiency, and inventory. Examples of related documents are GFI Deficiency Report, Support Equipment Delivery, Schedule/Delinquency Report, and Defective Material Report.

MISC Miscellaneous

This area is reserved for those source documents and data item descriptions that cannot, by definition, be assigned to another currently established data fictional area.

MNTY Maintainability

This area covers equipment design characteristics related to the ease, economy, and speed of maintenance and repair. Design criteria, analysis methods, prediction, verification, demonstration, and evaluation are subdivisions.

NDTI Nondestructive Testing and Inspection

This area relates to nondestructive testing (NDT) methods of inspection, qualification of NDT equipment and personnel, and reference standards for acceptance inspection. It excludes NDT equipment and accessories.

NUOR Nuclear Ordnance

This area includes standardization documents covering engineering criteria, practices, requirements and items unique to nuclear ordnance due to design, security, quality, storage, safety, or transportability requirements.

PACK Packing, Packaging, Preservation, and Transportability

This area includes packaging, packing, and preservation of defense materiel. Transportability is included whenever transportation requirements are a part of a packaging systems document.

QCIC Quality Control/Assurance and Inspection

This area covers general methods and techniques intended to provide assurance that material, data, supplies, and services conform to established technical requirements and achieve satisfactory performance. This area also covers documents associated with calibration, which controls the accuracy of measuring and test equipment used to assure that supplies and services presented to the Government for acceptance are in conformance with prescribed technical requirements.

RELI Reliability

This area relates to reliability program requirements, reliability analysis and prediction, reliability testing/sampling, and reliability/design application.

SAFT Safety

This area relates to: (1) safety design, test, and demonstration requirements for military systems, equipments, facilities and personnel interfaces; (2) system safety procedures; (3) joint area safety requirements; (4) test range safety; (5) environmental safety; (6) safety equipment; (7) systems safety engineering program requirements and plans; (8) personnel safety procedures; (9) explosive and fuse safety requirements; and (10) occupational safety procedures.

SDMP Standardization and Data Management

This area includes defense standardization and data management program documentation relative to the preparation of military specifications, standards, and data item descriptions. Covers the required programs to control the proliferation of equipment and materials used by DoD standardization to limit item inventories

SLHC Long-Haul Communications

This area establishes uniform engineering criteria in the National Military Command System (NMCS) and in the field of long-haul and point-to-point communications in support of the Defense Communications System (DCS). It also provides the necessary interface with non-DCS equipments that provide technical support for the NMCS, as well as standards for the interface of non-DCS equipments and facilities with the DCS. The SLHC area participates in related military, national, federal, and international standardization activities, as well as TCTS, IPSC, EMCS, and other areas. SLHC standards are published in the MIL-STD- 187 and MIL-STD-1 88-300 series, and common long-haul/tactical (SLHC/TCTS) standards are published in the MIL-STD-1 88-100 series.

SOLD Soldering

This area covers the processes for making metallic junctions in which the surfaces are joined under elevated temperatures by the surface wetting and subsequent coalescence of liquid solder having a much lower melting point than any of the metals being joined (generally below 426°C; 800°F). Requirements, procedures, and inspection criteria for soldering processes ranging from *general* fabrication of non-electrical assemblies to soldering electrical and electronic connections are included.

TCSP Technical Support

This area includes technical documentation not encompassed by the MGMT area relating to facilities, cataloging, property control, contractor engineering technical services, and acquisition.

TCTS Tactical Communications Systems Technical Standards

This area establishes engineering criteria for tactical communications; provides a baseline of standards for achieving the objectives of DoDD 4630.5, Compatibility and Commonality of Equipment for Tactical Command, Control and Communications; and assures the necessary interface with Defense Communications Systems equipment.

THDS Screw Threads

This area-establishes standards for screw threads and other items associated with the purchase and/or use of interchangeable threaded parts, including basic requirements for the assembly, interchangeability, strengths, and installation/removal torques.

THJM Thermal Joining of Metals

This area is concerned with the thermal joining of metals processes (welding and brazing) but excludes soft (low temperature) soldering (see SOLD area). It includes low temperature brazing (also known as hard soldering or silver soldering). It does not include equipment or accessories.

TMSS Technical Manual Specifications and Standards

This area covers the technical content and format of weapon systems, weapon system components, and support equipment technical manuals used for operation, maintenance, and repair of systems and equipments; training of personnel involved in these activities, as well as administrative and management data such as status reports, validation plans, and schedules relating to technical manuals.

3. Part I of the AMSDL is formatted as follows:

Column 1- <u>DOCUMENT NR</u>

The number (including changes, revisions, modifications, etc.) assigned as the identification number. DIDs associated with a source document are indented and listed below the document numbers. For source documents of the Navy's Strategic Systems Project Office (SSPO) that contain data requirements but have no approved DIDs, the data requirements will be indicated by an asterisk (*) and limited to SSPO use only until such time as DIDs are prepared.

NOTE: Numbers within parentheses at the end of specification document numbers are amendments. Notice numbers are given at the end of standard document numbers. The document's date, title and OPR are those of the indicated amendment or notice. A notation of(C) or (S) in the left margin next to the document number indicates that the document is classified Confidential or Secret.

Column 2.- <u>TITLE</u>
    Self-explanatory.

Column 3- <u>OPR</u>
    This identifies the DoD component functioning as Office of Primary Responsibility for the source document and/or DID.

Column 4- <u>APPROVAL AMSC</u>
    The AMSC number is a **five-digit,** alpha-numeric control number assigned to a source document and to DIDs. The first digit represents the DoD component originating the source document or DID as follows:

A - Army	K- DCA
B - DMA	L - DLA
D - OSD	M - USMC
F - Air Force	N- NAVY
G - NSA	S - DLA
H - DNA	

Column 5- <u>DOCDATE</u>
    Approval date of the document.

PART II
NUMERICAL LISTING OF DATA ITEM DESCRIPTIONS

1. This part of the AMSDL **contains a numerical listing of DIDs, and is formatted as follows:**

Column 1 - DID NUMBER

See Section C for explanation.

Column 2- TITLE

Self-explanatory

Column 3- OPR

Same as in Part 1, Column 3.

Column 4- APVL AMSC

Same as in Part 1. Column 4.

Column 5- APVL DATE

The date the DID was approved
(cleared) for use in contracts.

Column 6- SOURCE DOCUMENT NUMBER

Same as in Part 1, Column 1 (Document
Number) (NOTE: Some DIDs have multiple-
source documents; however, only
the first document entered in the data
base will be noted in this column.)

PART 111
KEYWORD INDEX OF DATA ITEM DESCRIPTIONS

1. This part of the AMSDL contains a listing of DID titles sorted by keywords within the titles. The keyword for each line item can be found near the center of the page. In order to assist in the identification of DIDs, this part purposely contains duplication of titles, for example:

PLAN, CONFIGURATION AUDIT
    PLAN, CONFIGURATION AUDIT
      PLAN, CONFIGURATION AUDIT

NOTE: The AMSDL data base contains an exception word list to eliminate what are considered to be "non-keywords" (e.g.. acronyms and such words as "and" and "for'").

2. This part of the AMSDL is formatted as follows:

Column 1- TITLE

Column 2- DID NR

The DID number, explained in Section
C, or asterisk (*), as explained in
Part I, Column 1.

Column 3- SOURCE DOCUMENT NR

Same as in Part II; however, if there
are rwo or more source documents for
a DID, the entry shall read "MULTIPLE."

PART IV
CANCELLED/SUPERSEDED LIST

I. This part contains a numerical listing of **DIDs** which have been **cancelled** or superseded. This section is
formatted as follows:

Column 1- DID NUMBER

Column 2- OPR

Column 3- STATUS

Reflects current document that has
superseded the document listed in
column 1. The entry "CANCELLED"
is used when there is no replacement
document.